



March 10, 2007

Mr. Timothy Fischer
U. S. EPA - Region 5
77 West Jackson Boulevard (SR-6J)
Chicago, Illinois 60604-3590

**Re: Sauget Sites Area I - January 21, 1999 Administrative Order by Consent (AOC)
Monthly Report February 1 – February 28, 2007**

Dear Mr. Fischer:

Enclosed is the Sauget Sites Area I Monthly Report for the February 2007 reporting period. This submittal is in fulfillment of the monthly requirements of Section 2.4 Reporting, of the January 21, 1999 Final Administrative Order by Consent for Sauget Sites Area I, Sauget and Cahokia, Illinois.

Sincerely,

A handwritten signature in black ink, appearing to read "Steven D. Smith". The signature is stylized with a large, sweeping initial "S" and a long, horizontal stroke extending to the right.

Steven D. Smith
Project Coordinator

cc: Kevin Turner – USEPA
Tim Gouger - USACE
Sandra Bron - IEPA
Dave Webb - IDPH
Mike Coffey - USF&W
Richard Williams - Solutia
Cathleen Bumb - Solutia
Mayor Frank Bergman - Cahokia, IL
Village of Sauget - c/o P. H. Weis & Associates (Attn: Brian Nelson)
Mayor R. Sauget - Sauget, IL
L. Glen Kurowski - Monsanto
Linda Tape - Husch & Eppenberger

Sauget Sites Area I - Sauget, Illinois

AOC - EECA / RIFS

Status Report

Date of Report: March 10, 2007
Period Covered: February 1, 2007 - February 28, 2007

Work Performed during the Reporting Period

Conditional approval of the plan to carry out a soil vapor investigation was received from the Agency on November 16th, subject to approved changes being made to the Work Plan and submission of a final document incorporating those changes. At that time, the Agency also approved the start of field activities in advance of the submission of the revised Work Plan. Soil vapor sampling activities started on November 29th, but were temporarily halted on November 30th because of bad weather. Sampling resumed on December 4th, but was halted again on December 5th because snow melt flooded the probe holes during probe installation. Sampling resumed on December 9th and was completed on December 11th. The samples have been analyzed and the results have been validated. A human health evaluation is currently being performed.

A Work Plan for DNAPL recovery at BR-I was approved by the Agency in a letter dated September 12, 2006. The activities described in that Work Plan began on October 31st and rehabilitation of BR-I was completed on November 2nd. A down-hole pump was installed in the well and tested on November 17th and all recoverable DNAPL was removed from the well on November 21st. A total of approximately 22 gallons of liquid were removed, of which about 6 gallons were DNAPL. The well was pumped again on November 28th, at which time 16.75 gallons of liquid were removed. This included about 7.75 gallons of DNAPL. Pumping took place again on December 5th, 14th, 19th, and 27th, on January 3rd, 10th, 16th, 26th and 30th, and on February 16th and 23rd. Pumping was scheduled on February 6th, but the lines were frozen and the well could not be pumped. Heat tracing was applied to the piping during the early part of the week of February 12th and the well was successfully pumped on February 16th. On each of these occasions the total fluid volume removed from the well varied between 16 and 18 gallons, with the exception of February 3rd when 23 gallons were removed. In each case, the DNAPL volume varied between 4.6 and 7.9 gallons. The well will be pumped weekly until the week of March 5th in order to evaluate the rate of DNAPL recovery. The next pumping event is scheduled to occur on March 2nd. Based on the results thus far, it appears that the DNAPL is recovering at a rate of between one half and one gallon per day.

Comments were received on February 20th from the Agency on the Work Plan for an investigation in the utility corridor between Sites H and I. Response to those comments were submitted on February 23rd.

Attachments

There are no Technical Memoranda or data submitted with this report.

Work Scheduled for Next Reporting Period

- Complete vapor intrusion risk evaluation and prepare a report summarizing the results of this evaluation.
- Prepare final Work Plan for soil vapor investigation, including approved revisions.
- Prepare a data report with the results of the soil vapor investigation.
- Continue to pump and remove liquids from BR-I. .
- Prepare an Ecological Risk Assessment Tech Memo for Dead Creek that integrates the results of the most recent creek bottom soil removal and provides the derivation of the risk based concentrations used to define the extent of those excavations.

Submittal Status

- The final Work Plan for the soil vapor investigation will be submitted, as will a data report with the results of that investigation and a report summarizing the results of the risk evaluation..